

Recombinant Human Interleukin-33/IL-33 Protein (His Tag)



Catalog Number: PKSH032642

Note: Centrifuge before opening to ensure complete recovery of vial contents.

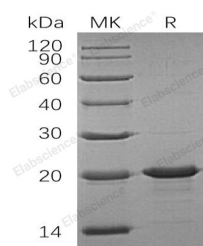
Description

Synonyms	Interleukin-33; IL-33; Interleukin-1 Family Member 11; IL-1F11; Nuclear Factor From High Endothelial Venules; NF-HEV; IL33; C9orf26; IL1F11; NFHEV
Species	Human
Expression Host	E.coli
Sequence	Ser112-Thr 270
Accession	O95760
Calculated Molecular Weight	18.9 kDa
Observed molecular weight	19 kDa
Tag	C-His

Properties

Purity	> 98 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.1 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 98 % as determined by reducing SDS-PAGE.

Background

Interleukin-33 (IL-33) belongs to the IL-1 superfamily. IL33 is highly expressed in endothelial venules found in tonsils; Peyer patches and mesenteric lymph nodes; but almost undetectable in placenta. IL33 induces the production of T helper-2 (Th2)-associated cytokines. IL-33 is a cytokine that mediates its biological effects by binding to and signals through IL1RL1/ST2 and IL-1 Receptor Accessory Protein (IL1RAP); activating intracellular molecules in the NF-κB and MAP kinase signaling pathways that drive production of type 2 cytokines from polarized Th2 cells.

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